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Improved MC-EZBC with quarter-**pixel motion** vectors - Woods - Cited by 26**IMAGE INFORMATION ENCODING APPARATUS AND IMAGE INFORMATION ...**The image information decoding apparatus as set forth in claim 4, wherein information relating to **pixel accuracy of motion prediction**/compensation processing ...

www.faqs.org/patents/app/20090129470 - Cached

PARTITION-LEVEL ADAPTIVE INTERPOLATION FILTER FOR VIDEO CODING

by R Wang

are based on **motion-compensated prediction** with fractional **pixel accuracy motion** vectors. In order to estimate and compensate such sub-**pixel** displacements, ... **accuracy** represented by **motion** vector; a two **tap** filter is utilized to improve interpolation In the **encoding process**, two aspects of complexity are ...

ieeexplore.ieee.org/iel5/5174546/5202415/05202460.pdf?arnumber...

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Note that if the **motion** compensation is constrained to 1 **pixel accuracy**, wavelets (9 and 7 **tap** analysis low- and high-pass filters, respectively) [6]. ... in terms of bits/**pixel** and the execution times (**encoding** and decoding) are ... By plotting the histograms of the wavelet coefficients of the **prediction** ...

linkinghub.elsevier.com/retrieve/pii/S0923596500000400

Methods for motion estimation with adaptive motion accuracy - US ...If the encoder is set to find **motion** vectors with $\frac{1}{2}$ -**pixel accuracy**, FIG. ... Compared to the Benzler method for **encoding the motion** vectors with a ... frame is reconstructed using a typical 4-**tap** cubic interpolator. Inventor: Girod, et al.6714593**Motion** compensating **prediction** of moving image sequences ...

www.patentstorm.us/patents/6968008/description.html

[PDF] www.vcodex.com H.264 / MPEG-4 Part 10 : Inter Prediction Šlain ...

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outperforms half-**pixel accuracy**. In the luma component, the sub-**pixel** samples at ... interpolated from neighbouring integer-**pixel** samples using a 6-**tap** Finite ... **Motion** vector **prediction**. **Encoding a motion** vector for each partition can ...

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the **accuracy of motion prediction**, which can be measured by the energy of the high-pass ... wavelet with half-**pixel accuracy** is used. Each sequence is temporally decomposed into ... 6-**tap** filter, which results in better performance. In ...

doi.ieeecomputersociety.org/10.1109/ISCAS.2007.378133

Calculation of interpolated pixel values - Patent 7616689

by G Bjørntegaard - 2009

Method according to claim 2 or 3, used in a **pixel motion** compensation process

according The methods use **motion** compensated **prediction** with up to $\frac{1}{4}$ **pixel accuracy**. Even $\frac{1}{4}$ **pixel accuracy** is defined, but not included in any profile. ... When using a **6-tap** filter for calculation of 1 positions as described above, ...
www.freepatentsonline.com/7616689.html

[DOC] ITU-T Video Coding Experts Group Document

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Document Q15135 presents a **motion** compensated **prediction** scheme for H.26L ... The 4-**tap** and 6-**tap** filters were presented by Telenor in document COM-16 D.361. D.361: G. Bjontegaard, "**Motion** Compensation with $\frac{1}{4}$ **pixel accuracy**", ...
[http3.itu.int/av-arch/video-site/0005_Osa/q15114.doc](http://ftp3.itu.int/av-arch/video-site/0005_Osa/q15114.doc)

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adaptively select the macroblock mode during the H.264 **encoding** process. ... loop filter, intra **prediction**, variable block size, and quarter-**pixel-accuracy motion** using a 6-**tap** filter at the half-**pixel** position and a 2-**tap** filter at ... **motion** vectors included in an MPEG2 bitstream have half-**pixel accuracy**. ...
www.springerlink.com/index/qm42265t3331r638.pdf

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pixel locations), the results of applying a 6-**tap** Wiener interpolation filter (employed in two-step half-**pixel accuracy motion vector prediction**". ...
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